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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/483,831

OIPE

DATE: 02/09/2000  
TIME: 17:55:09

INPUT SET: S34676.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

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3 (1) General Information:  
4  
5 (i) APPLICANT: UNITED STATES OF AMERICA; DEPT.  
6 OF HEALTH AND HUMAN SERVICES  
7  
8 (ii) TITLE OF INVENTION: MOTILITY STIMULATING  
9 PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
10 THERAPY  
11  
12 (iii) NUMBER OF SEQUENCES: 69  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: MORGAN & FINNEGAN  
16 (B) STREET: 345 PARK AVENUE  
17 (C) CITY: NEW YORK  
18 (D) STATE: NEW YORK  
19 (E) COUNTRY: U.S.A.  
20 (F) ZIP: 10154  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy Disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: WordPerfect 5.1  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER:  
30 (B) FILING DATE:  
31 (C) CLASSIFICATION:  
32  
33 (vii) PRIOR APPLICATION DATA  
34 (A) APPLICATION NUMBER: 08/346,455  
35 (B) FILING DATE: 28-NOV-1994  
36  
37 (vii) PRIOR APPLICATION DATA  
38 (A) APPLICATION NUMBER: 08/249,182  
39 (B) FILING DATE: 25-MAY-1994  
40  
41 (vii) PRIOR APPLICATION DATA  
42 (A) APPLICATION NUMBER: 07/822,043  
43 (B) FILING DATE: 17-JAN-1992  
44  
45 (viii) ATTORNEY/AGENT INFORMATION:  
46 (A) NAME: DOROTHY R. AUTH

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(B) REGISTRATION NUMBER: 36,434  
(C) DOCKET NUMBER: 2026-4149US3

(ix) TELECOMMUNICATION INFORMATION:

(B) TELEFAX: (212) 751-6849

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Trp His Val Ala Arg  
1 5

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Pro Leu Asp Val Tyr Lys  
1 5

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Tyr Pro Ala Phe Lys  
1 5

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

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100  
101  
102  
103 (A) LENGTH: 5 amino acids  
104 (B) TYPE: amino acid  
105 (D) TOPOLOGY: linear  
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107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
108

109 Gln Ala Glu Val Ser  
110 1 5  
111

112 (2) INFORMATION FOR SEQ ID NO:5:  
113

114 (i) SEQUENCE CHARACTERISTICS:

115 (A) LENGTH: 10  
116 (B) TYPE: amino acid  
117

118 (D) TOPOLOGY: linear  
119

120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
121

122 Pro Glu Glu Val Thr Arg Pro Asn Tyr Leu  
123 1 5 10  
124

125 (2) INFORMATION FOR SEQ ID NO:6:  
126

127 (i) SEQUENCE CHARACTERISTICS:

128 (A) LENGTH: 9  
129 (B) TYPE: amino acid  
130 (D) TOPOLOGY: linear  
131

132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
133

134 Tyr Asp Val Pro Trp Asn Glu Thr Ile  
135 1 5  
136

137 (2) INFORMATION FOR SEQ ID NO:7:  
138

139 (i) SEQUENCE CHARACTERISTICS:

140 (A) LENGTH: 10  
141 (B) TYPE: amino acid  
142 (D) TOPOLOGY: linear  
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144  
145 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
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151  
152 Val Pro Pro Phe Glu Asn Ile Glu Leu Tyr

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153 1 5 10  
154  
155 (2) INFORMATION FOR SEQ ID NO:8:  
156  
157 (i) SEQUENCE CHARACTERISTICS:  
158 (A) LENGTH: 11  
159 (B) TYPE: amino acid  
160 (D) TOPOLOGY: linear  
161  
162  
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
164  
165 Gly Gly Gln Pro Leu Trp Ile Thr Ala Thr Lys  
166 1 5 10  
167  
168 (2) INFORMATION FOR SEQ ID NO:9:  
169  
170 (i) SEQUENCE CHARACTERISTICS:  
171 (A) LENGTH: 16  
172 (B) TYPE: amino acid  
173 (D) TOPOLOGY: linear  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
175  
176 Val Asn Ser Met Gln Thr Val Phe Val Gly Tyr Gly  
177 1 5 10  
178  
179 Pro Thr Phe Lys  
180 15  
181  
182 (2) INFORMATION FOR SEQ ID NO:10:  
183  
184 (i) SEQUENCE CHARACTERISTICS:  
185 (A) LENGTH: 12  
186 (B) TYPE: amino acid  
187 (D) TOPOLOGY: linear  
188  
189  
190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
191  
192 Asp Ile Glu His Leu Thr Ser Leu Asp Phe Phe Arg  
193 1 5 10  
194  
195 (2) INFORMATION FOR SEQ ID NO:11:  
196  
197 (i) SEQUENCE CHARACTERISTICS:  
198  
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202  
203 (A) LENGTH: 23  
204 (B) TYPE: amino acid  
205 (D) TOPOLOGY: linear

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206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
208  
209 Thr Glu Phe Leu Ser Asn Tyr Leu Thr Asn Val Asp  
210 1 5 10  
211  
212 Asp Ile Thr Leu Val Pro Glu Thr Leu Gly Arg  
213 15 20  
214  
215  
216 (2) INFORMATION FOR SEQ ID NO:12:  
217  
218 (i) SEQUENCE CHARACTERISTICS:  
219 (A) LENGTH: 18  
220 (B) TYPE: nucleic acid  
221 (C) STRANDEDNESS: single  
222 (D) TOPOLOGY: linear  
223  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
225  
226 GTTGGCAGCN ACRTGCCA 18  
227  
228  
229 (2) INFORMATION FOR SEQ ID NO:13:  
230  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 18  
233 (B) TYPE: nucleic acid  
234 (C) STRANDEDNESS: single  
235 (D) TOPOLOGY: linear  
236  
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
238  
239 TGGCAYGTNG CTGCCAAC 18  
240  
241 (2) INFORMATION FOR SEQ ID NO:14:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH: 15  
245 (B) TYPE: nucleic acid  
246 (C) STRANDEDNESS: single  
247 (D) TOPOLOGY: linear  
248  
249  
250  
251  
252  
253  
254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
255  
256 CTTGAAGGCA GGGTA 15  
257  
258 (2) INFORMATION FOR SEQ ID NO:15:

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/483,831**

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*INPUT SET: S34676.raw*

Line

Error

Original Text